

ABSTRACT

A method of making carbon foam is disclosed and involves pyrolyzing at least one pyrolyzable material in the presence of a sufficient amount of at least oxidizing source. The pyrolyzable material or its decomposition products may provide the fuel or a separate fuel can be used. The pyrolyzable material and oxidizing source and optionally a fuel source can be introduced in any order or in any combination. The resulting carbon foam made by this process is also described. Furthermore, the carbon foam made by this process can be used in a variety of end use applications including electrodes, thermal insulation material, polymers, elastomers, and the like.